

PostgreSQL Installation Notes

Daisy Installation - PostgreSQL

Thanks to Olivier Lange for <http://lists.cocoondev.org/pipermail/daisy/2005-January/000740.html>
Instructions also purloined from:

- <http://news.gmane.org/gmane.comp.java.openjms.user> 31 May 2005 16:22 Tim Anderson²
- <http://lists.cocoondev.org/pipermail/daisy/2004-December/000557.html>

Note that these instructions are almost exactly the same as the standard [README instructions](#)⁴ - I was working from the ones in the distro.

If these instructions cause your system to be consumed in a ball of fire, you're on your own matey.

Environment

- Daisy 1.3 M3 src
- PostgreSQL 7.4.7
- Gentoo Linux 2005.0
- Sun JDK 1.4.2_b07

```
1. Create databases and users:
```

```
$ psql -U postgres template1
CREATE USER openjms WITH PASSWORD 'openjms' CREATEDB CREATEUSER;
CREATE USER daisy WITH PASSWORD 'daisy' CREATEDB CREATEUSER;
```

```
$ psql -U openjms template1
CREATE DATABASE openjms WITH ENCODING = 'utf8';
```

```
$ psql -U daisy template1
CREATE DATABASE daisyrepository WITH ENCODING = 'utf8';
```

```
2. Get Maven
```

```
Stable: currently 1.02
Unpack, export MAVEN_HOME, PATH=$MAVEN_HOME/bin:$PATH
$ ln -s {wherever}/xalan.jar $MAVEN_HOME/lib/endorsed/
```

```
3. Get Merlin
```

```
Stable: currently 3.3.0
Unpack, export MERLIN_HOME, PATH=$MERLIN_HOME/bin:$PATH
```

```
4. Add Merlin plugins to Maven:
```

```
$ ln -s $MERLIN_HOME/plugins/avalon-meta/plugins/avalon-meta-plugin-1.4.0.jar
$MAVEN_HOME/plugins/
$ ln -s $MERLIN_HOME/plugins/avalon-util/plugins/avalon-util-plugin-1.0.0.jar
$MAVEN_HOME/plugins/
$ ln -s $MERLIN_HOME/plugins/merlin/plugins/merlin-plugin-3.3.0.jar $MAVEN_HOME/
plugins/
```

```
5. Get Torque plugin:
```

```
$ cd $MAVEN_HOME
$ maven plugin:download -DartifactId=maven-torque-plugin -DgroupId=torque -
Dversion=3.1.1
# // Creates ~/.maven, downloads relevant jars.
```

4. http://cocoondev.org/daisydocs-1_3/13.html

```

6. Get OpenJMS
   Stable: 0.7.6.1
   Unpack, export OPENJMS_HOME

8. Add PostgreSQL JDBC3 driver to OpenJMS
   $ ln -s {pgsql-whatever.jar} OPENJMS_HOME/lib/

9. Edit OPENJMS_HOME/bin/setenv.sh
   # Specify postgresql driver jar as CLASSPATH
   # While we're at it - set JAVA_OPTS=-Xmx256m

10. Edit OPENJMS_HOME/config/openjms.xml as per Daisy README.txt but with PostgreSQL
    settings:
    - in <DatabaseConfiguration> use README.txt settings but change
      driver="org.postgresql.Driver"
      url="jdbc:postgresql://localhost/openjms"

11. Create DB: this must apparently be done manually:
    $ psql -U openjms openjms < $OPENJMS_HOME/config/db/create_postgresql.sql
    # See http://news.gmane.org/gmane.comp.java.openjms.user 31 May 2005 16:22 Tim Anderson
    # This step replaces the instruction in daisy/README.txt:
    # DO NOT DO THIS: $ ./dbtool.sh -create -config $OPENJMS_HOME/config/openjms.xml

12. Start OpenJMS: OPENJMS_HOME/bin/startup.sh

```

```

13. Create and edit {daisy}/repository/server/myconfig.xml as per README.txt
with database settings:

```

```

<target path="/daisy/datasource/datasource">
  <configuration>
    <username>daisy</username>
    <password>daisy</password>
    <url>jdbc:postgresql://localhost/daisyrepository</url>
    <!-- driver class path can contain a comma-separated list of paths to jars. -->
    <driverClasspath>###/path/to/postgresql/pg74.216.jdbc3.jar</driverClasspath>
    <driverClassName>org.postgresql.Driver</driverClassName>
    <!--
    <connectionProperties>
      <property name="..." value="..." />
    </connectionProperties>
    -->
    <maxActive>20</maxActive>
    <maxIdle>8</maxIdle>
    <minIdle>0</minIdle>
    <maxWait>5000</maxWait>
  </configuration>
</target>

```

Note: make sure the blobstore and indexstore directories exist and are writable by the user running Daisy.

```

14. Edit {daisy-src}/install/src/java/org/outerj/daisy/install/InstallHelper.java -
    in the static initializer block for ALL_DATABASES uncomment the PostgreSQL code,
    setting
    the path to appropriate JDBC driver. This path is relative to
    ~/.maven/repository
    Setting an absolute path such as /path/to/jdbc-driver.jar causes problems.
    Recompile with:
    $ cd {daisy-src}
    $ maven

```

```

15. Init DB as per {daisy-src}/README.txt
    -- but, as per README:
    * when you reach the "drop database" question, answer yes.
    * when asked to create a daisy data directory, answer no.
      ^^

```

If you foul it up:

```
$ psql -U daisy template1
DROP DATABASE daisyrepository;
CREATE DATABASE daisyrepository WITH ENCODING = 'utf8';
then re-run
$ ./daisy-repository-init-dev --advanced
```

From here on, follow the docs.

Note: if you change the 'registrar' user from the 'defaultpwd' setting in the config file, you'll find it in {daisy-src}applications/daisywiki/frontend/target/cocoon/webapp/WEB-INF/cocoon.xconf

Fields

Name	Value
Category	Install & config